

First Hit

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Dec 1, 2002

*** TESTING *** DB=OPTX, PIECE=39 (D100)

DERWENT-ACC-NO: 2000-171093

DERWENT-WEEK: 200282

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TITLE: Tangential cutting insert for mounting on cutting tools for different cutting operations

INVENTOR: EISEN, Y; PENHAS, Y ; SATRAN, A ; EIZEN, Y

PATENT-ASSIGNEE:

ASSIGNEE	CODE
EISEN Y	EISEI
ISCAR LTD	ISCAN
PENHAS Y	PENHI
SATRAN A	SATRI

PRIORITY-DATA: 1999IL-0129297 (March 31, 1999), 1998IL-0125331 (July 13, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>IL 129297 A</u>	December 1, 2002		000	B23C005/22
<input type="checkbox"/> <u>WO 200002693 A1</u>	January 20, 2000	E	031	B23C005/22
<input type="checkbox"/> <u>AU 9946439 A</u>	February 1, 2000		000	B23C005/22
<input type="checkbox"/> <u>BR 9912044 A</u>	April 3, 2001		000	B23C005/22
<input type="checkbox"/> <u>EP 1097017 A1</u>	May 9, 2001	E	000	B23C005/22
<input type="checkbox"/> <u>US 6238146 B1</u>	May 29, 2001		000	B23B027/22
<input type="checkbox"/> <u>CZ 200100129 A3</u>	September 12, 2001		000	B23C005/22
<input type="checkbox"/> <u>TW 436347 A</u>	May 28, 2001		000	B23C005/20
<input type="checkbox"/> <u>KR 2001053502 A</u>	June 25, 2001		000	B23B027/16
<input type="checkbox"/> <u>HU 200102883 A2</u>	December 28, 2001		000	B23C005/22
<input type="checkbox"/> <u>JP 2002520169 W</u>	July 9, 2002		032	B23C005/08
<input type="checkbox"/> <u>EP 1097017 B1</u>	September 11, 2002	E	000	B23C005/22
<input type="checkbox"/> <u>DE 69902919 E</u>	October 17, 2002		000	B23C005/22

DESIGNATED-STATES: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
 GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
 MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW AT BE
 CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
 DE FR GB IT SE DE FR GB IT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
IL 129297A	March 31, 1999	1999IL-0129297	
WO 200002693A1	June 29, 1999	1999WO-IL00357	
AU 9946439A	June 29, 1999	1999AU-0046439	
AU 9946439A		WO 200002693	Based on
BR 9912044A	June 29, 1999	1999BR-0012044	
BR 9912044A	June 29, 1999	1999WO-IL00357	
BR 9912044A		WO 200002693	Based on
EP 1097017A1	June 29, 1999	1999EP-0929663	
EP 1097017A1	June 29, 1999	1999WO-IL00357	
EP 1097017A1		WO 200002693	Based on
US 6238146B1	July 9, 1999	1999US-0349972	
CZ 200100129A3	June 29, 1999	1999WO-IL00357	
CZ 200100129A3	June 29, 1999	2001CZ-0000129	
CZ 200100129A3		WO 200002693	Based on
TW 436347A	July 31, 1998	1998TW-0112631	
KR2001053502A	January 12, 2001	2001KR-0700490	
HU 200102883A2	June 29, 1999	1999WO-IL00357	
HU 200102883A2	June 29, 1999	2001HU-0002883	
HU 200102883A2		WO 200002693	Based on
JP2002520169W	June 29, 1999	1999WO-IL00357	
JP2002520169W	June 29, 1999	2000JP-0558941	
JP2002520169W		WO 200002693	Based on
EP 1097017B1	June 29, 1999	1999EP-0929663	
EP 1097017B1	June 29, 1999	1999WO-IL00357	
EP 1097017B1		WO 200002693	Based on
DE 69902919E	June 29, 1999	1999DE-0602919	
DE 69902919E	June 29, 1999	1999EP-0929663	
DE 69902919E	June 29, 1999	1999WO-IL00357	
DE 69902919E		EP 1097017	Based on
DE 69902919E		WO 200002693	Based on

INT-CL (IPC): B23 B 27/14; B23 B 27/16; B23 B 27/22; B23 C 5/08; B23 C 5/20; B23 C 5/22

RELATED-ACC-NO: 1999-529407

ABSTRACTED-PUB-NO: US 6238146B

BASIC-ABSTRACT:

NOVELTY - The tangential cutting insert (1) has a body with an operative front

surface (2) associated with upper and lower main cutting edges (10), side auxiliary cutting edges (12) and corner cutting edges (14). The cutting insert has an imaginary reference plane (P) passing through extremities of the cutting corner edges. Each main cutting edges extends from its associated corner edges in an inward direction of the cutting insert away from the reference plane.

USE - For use with rotary milling cutters such as slotting cutters or extended-flute cutters, with turning cutting tools or similar. Particularly for the manufacturing of cutting inserts by net-shape processes.

ADVANTAGE - No grinding operations are required, by virtue of which any desired design, in particular, non-planar, of the chip rake and relief surfaces may be obtained.

DESCRIPTION OF DRAWING(S) - The drawing shows perspective view of a cutting insert.

Tangential cutting insert 1

Front surface 2

Lower main cutting edges 10

Side auxiliary cutting edges 12

Corner cutting edges 14

ABSTRACTED-PUB-NO:

WO 200002693A

EQUIVALENT-ABSTRACTS:

NOVELTY - The tangential cutting insert (1) has a body with an operative front surface (2) associated with upper and lower main cutting edges (10), side auxiliary cutting edges (12) and corner cutting edges (14). The cutting insert has an imaginary reference plane (P) passing through extremities of the cutting corner edges. Each main cutting edges extends from its associated corner edges in an inward direction of the cutting insert away from the reference plane.

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Tangential cutting insert 1

Front surface 2

Lower main cutting edges 10

Side auxiliary cutting edges 12

Corner cutting edges 14

CHOSEN-DRAWING: Dwg.1/13

TITLE-TERMS: TANGENT CUT INSERT MOUNT CUT TOOL CUT OPERATE

DERWENT-CLASS: P54

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-127164